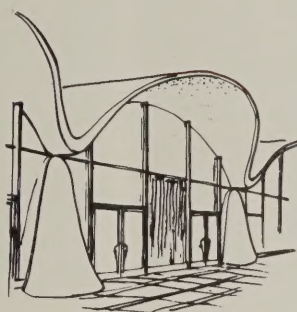
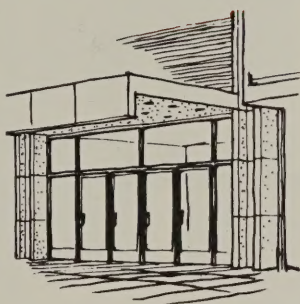
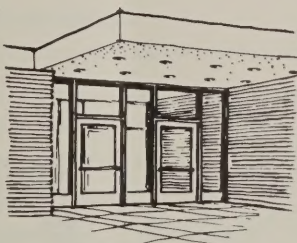
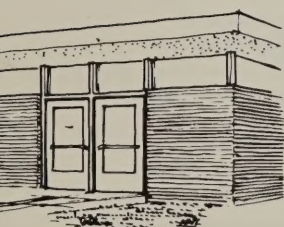


Himco



aluminum entrances

pages 2-15



store fronts

pages 16-17

FACITE facings

page 18



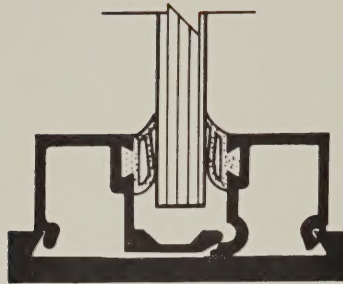
Over 60 years

After 60 years experience in the metal fabricating business, The Himmel Brothers Company has developed into an organization that is versatile and technically sound in the production of various metals. During 1903 our first sheet metal shop was created. Advancement brought us to the drawn copper techniques then to roll forming of bronze, aluminum and stainless steel. With the advancement and demand for extruded aluminum architectural products, The Himmel Brothers Company became the thirtieth company producing extrusions in the United States.

Today, we are manufacturers of architectural products producing mouldings in aluminum. Our extruded aluminum products are available in Alcoa Duranodic 300, Kaiser Kalcolor, Himco Charcoal Gray and standard anodized finishes.

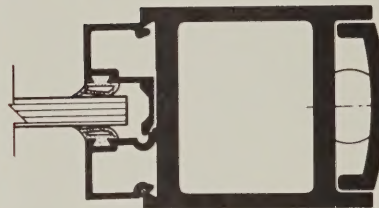
This catalog illustrates part of our complete line of architectural products.

features and construction



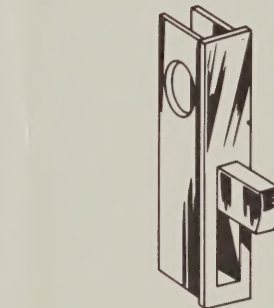
welded construction:

Heliarc welded to obtain maximum penetration of weld for a strong construction in modern door design.



snap-in glass bead with vinyl glazing:

The new design in snap-in glazing provides maximum glass protection through the resilience of the special extruded glass bead and vinyl glazing cushion which also eliminates all exposed screws in the glass bead.



adjustable astragal:

The adjustment is obtained by taking up or letting out on the astragal which is backed up by rubber bushings. For weather protection and on the job adjustment where doors are put into wood frames or other types than those furnished by the manufacturer.



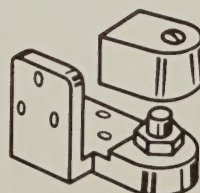
extra long bolt travel:

This maximum security deadlock assures maximum safety along with the hardened steel laminated plates to prevent forcible entrance.



weatherstrip astragal:

The wool pile assures maximum weather protection between frame and door stile and meeting rails of double doors.

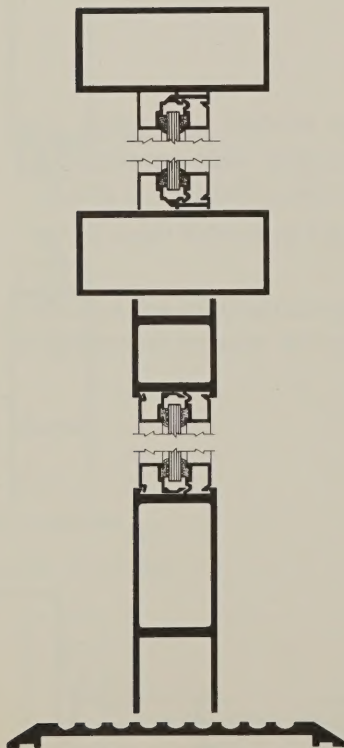
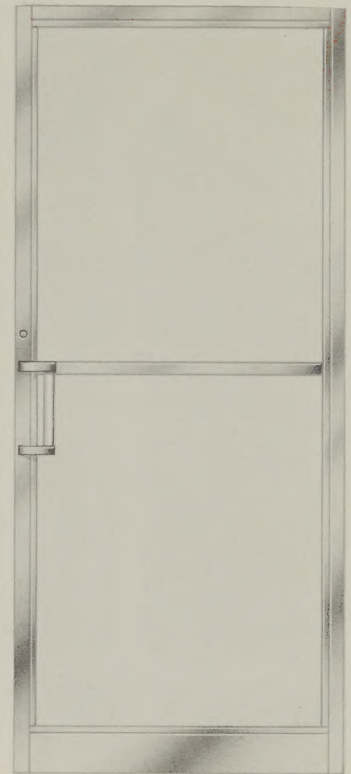


off-set pivots:

New off-set pivot ballbearing hinge designed especially for Himco or full 4½" ballbearing butt hinges.

finish:

The Himco finish is processed to give a lasting lustrous appearance for years because of its high quality aluminum alloy.



VERTICAL SECTION

specifications:

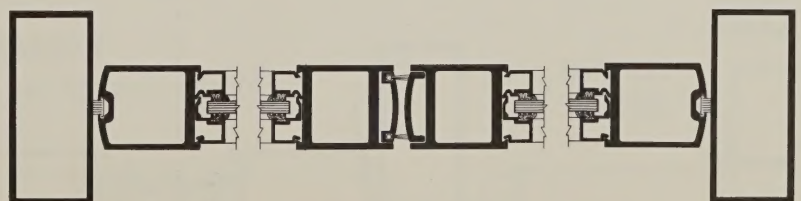
(Add the following to General Specifications, page 6)

Aluminum Narrow Stile "200" shall be HIMCO with stiles and rails fabricated from extruded tubular shapes with walls not less than .125" thick and .188" thick where hinges are mounted to the stile.

The Narrow Stile "200" shall be 1 $\frac{3}{4}$ " thick and shall have 2" vertical stiles, 2" top rail, 4 $\frac{5}{8}$ " bottom rail.

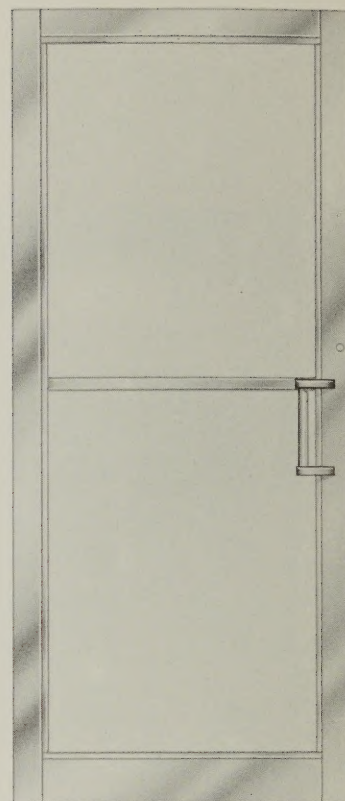
The Narrow Stile "200" corners shall consist of both welded construction and mechanical fastening to obtain the maximum strength of the door corner.

SCALE: quarter full size



HORIZONTAL SECTION

medium stile "300"



specifications:

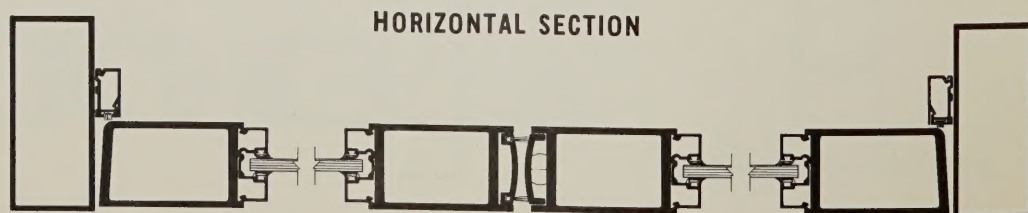
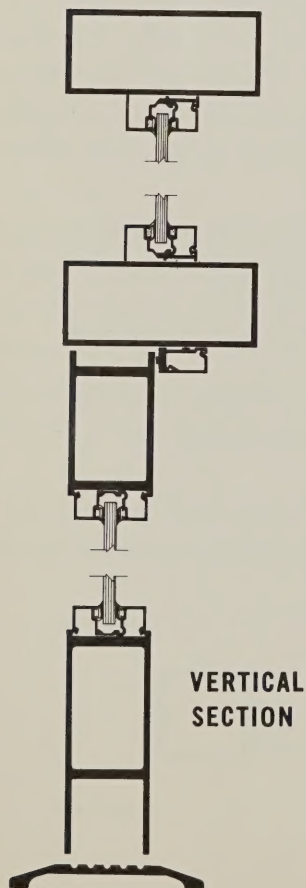
(Add the following to General Specifications, page 6)

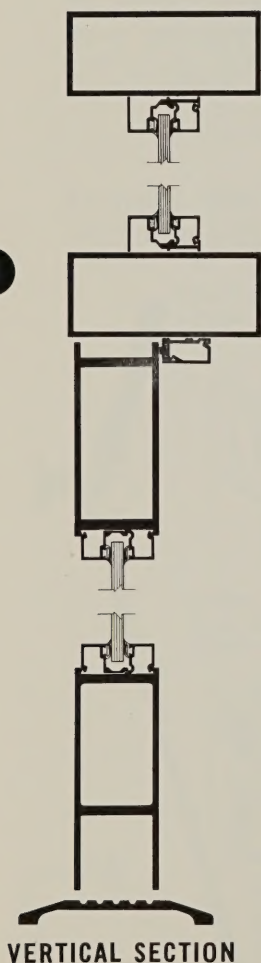
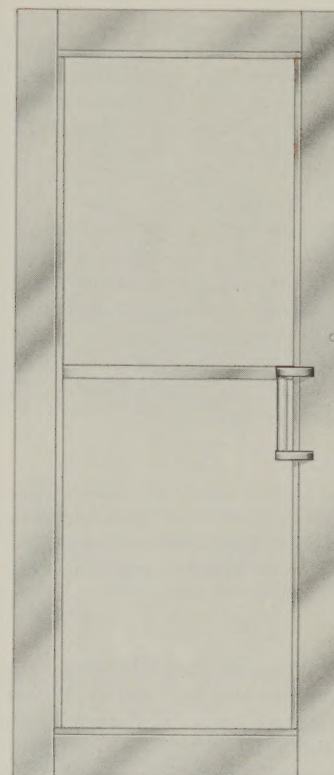
Aluminum Intermediate Stile "300" shall be HIMCO with stiles and rails fabricated from extruded tubular shapes with walls not less than .125" thick and .188" thick where hinges are mounted to the stile.

The Intermediate Stile "300" shall be 1 $\frac{3}{4}$ " thick and shall have 3" vertical stiles, 3" top rail, 4 $\frac{5}{8}$ " bottom rail.

The Intermediate Stile "300" corners shall consist of both welded construction and mechanical fastening to obtain the maximum strength of the door corner.

SCALE: quarter full size





specifications:

(Add the following to General Specifications, page 6)

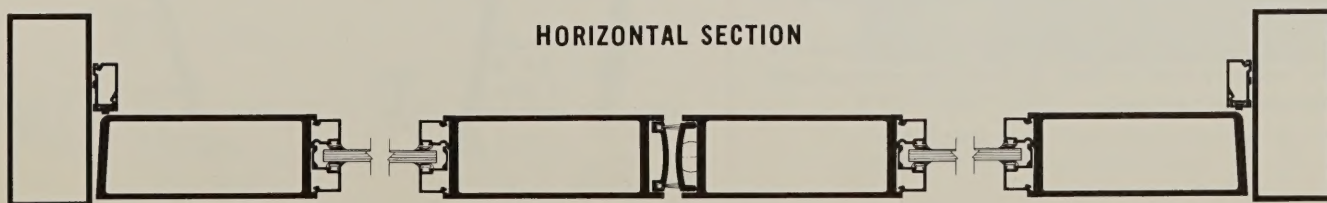
Aluminum Wide Stile "450" shall be HIMCO with stiles and rails fabricated from extruded tubular shapes with walls not less than .125" thick and .188" thick where hinges are mounted to the stile.

The Wide Stile "450" shall be $1\frac{3}{4}$ " thick and shall have $4\frac{5}{8}$ " vertical stiles, $4\frac{5}{8}$ " top rail, $4\frac{5}{8}$ " bottom rail.

The Wide Stile "450" corners shall consist of both welded construction and mechanical fastening to obtain the maximum strength of the door corner.

SCALE: quarter full size

HORIZONTAL SECTION



specifications

general:

Aluminum entrances, doors, frames and transoms, including side lights, shall be Himco, as manufactured by The Himmel Brothers Company, Hamden, Connecticut.

material:

Sections of doors and frames shall be extruded from 6463-T5 aluminum alloy. This alloy is a 6063 type alloy with superior mechanical properties and anodizing qualities.

Wall thickness of extruded door sections shall not be less than .125" and .188" where hinges are mounted to door. Glazing mouldings shall not be less than .055" thick.

Fastening shall be of aluminum alloy, stainless steel or steel cadmium or chromium plated.

finish:

All exposed surfaces shall have Alumilited Finish 204-A1-R1 (30 minutes) free from any blemishes. Samples of finish shall be submitted to architects upon request for approval.

workmanship:

All joints shall be accurately joined and fitted to flush hairline joints, the bottom and top rails shall have reinforcements at corners and heliarc welded at stress points along the concealed lines of contact.

Glass stops of the doors shall be of the snap-in type. No exposed screws shall be required to secure them in place; the leading edge of the glass stop in contact with the glass shall contain a vinyl glazing bead eliminating the necessity of putty or mastic.

weather-stripping:

The weather-stripping shall be of wool pile with an aluminum back, and shall be installed in the astragal part of the door stile of the center hung doors and in one meeting stile of a pair of doors.

hardware:

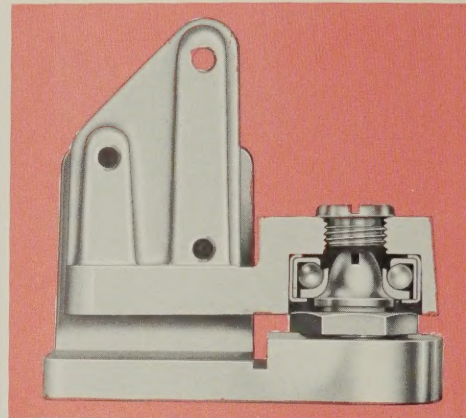
Standard hardware shall be furnished by The Himmel Brothers Company on all stock doors. Hardware for custom built doors and special entrances may be specified by the architect. Hardware furnished by others must be sent to the door manufacturer for proper application to the door. Finish of hardware shall closely match the finish of the doors.

erection:

All items under the heading of aluminum entrances shall be installed in prepared openings which are to be plumb, square, level and in the proper alignment with all other work. The entrances shall be securely anchored and ready for operation in every respect.

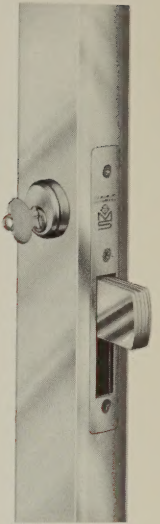
In order to prevent weather leakage all the joints between the metal and masonry shall be fully caulked and neatly pointed and excess material removed.

hardware



bottom offset pivot (left)

The Himco adjustable offset pivot is readily adjusted by screw driver without removing door. The radial-thrust type ball bearings gives free door operation.



maximum security lock (right)

The maximum security pivoted bolt deadlock offers the greatest protection against forcible entry.



push bar
style Y

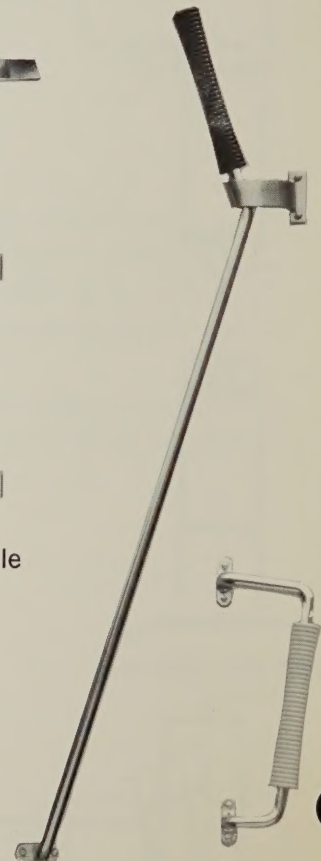


pull handle
style S

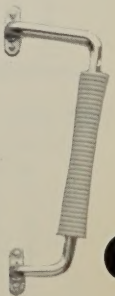


push bar
style Z

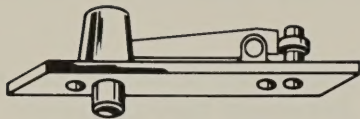
pull handle
style T



push bar
style U



pull handle
style W



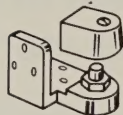
9-4009
CENTER HUNG TOP PIVOT



9-4006 L.H. OR R.H.
TOP OFFSET PIVOT



9-4007 L.H. OR R.H.
L.H. OR R.H.
INTERMEDIATE PIVOT



9-4005 L.H. OR R.H.
BOTTOM OFFSET PIVOT



9-4002
DEAD BOLT LOCK
ROUND FACE PLATE



9-4004
ELECTRICAL STRIKE



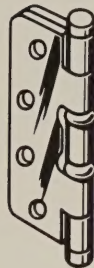
9-4001 T
FOR M.S. LOCK
9-4002 T
FOR DEAD BOLT LOCK



9-4001 M.S.
FOR M.S. LOCK
9-4002 D.L.
FOR DEAD BOLT LOCK
9-4003 LL
FOR LATCH LOCK



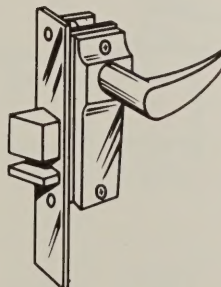
9-4010
FLUSH BOLT



9-4008
BUTT HINGES

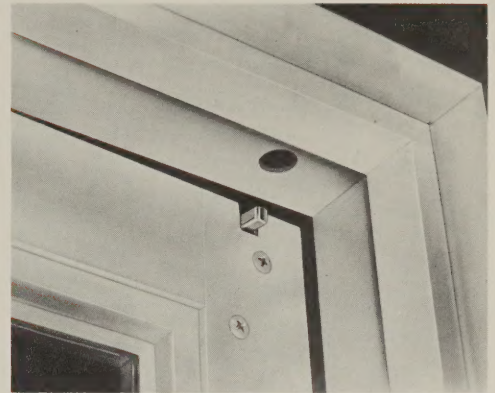


9-4001
MAXIMUM SECURITY LOCK
ROUND FACE PLATE



9-4003 L.H. OR R.H.
LATCH LOCK
ROUND FACE PLATE

panic hardware

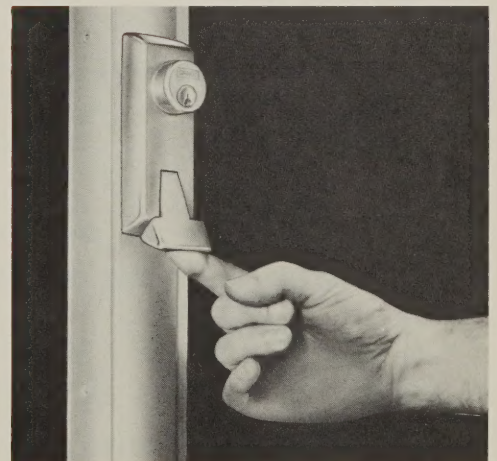
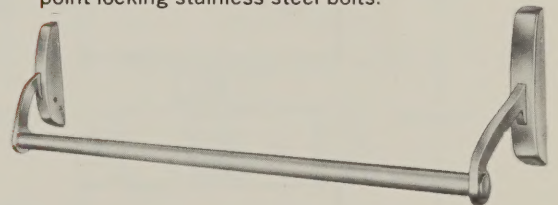


bolt button

The Bolt Release Control holds the locking stainless steel bolts retracted for the entire door swing. Bolts release at exact closing point preventing damage to frame and threshold, giving quieter operation. Frame can be used as strike for normal operation.

concealed panic device

The 90 Series Concealed Panic Device is applied at the factory. The device shall carry Re-examination Service of Underwriters' Laboratories label. The panic mechanism is operable by means of a crash bar which releases the two point locking stainless steel bolts.



auxiliary outside control

The pull type operation of the control allows its use with or without an outside pull.

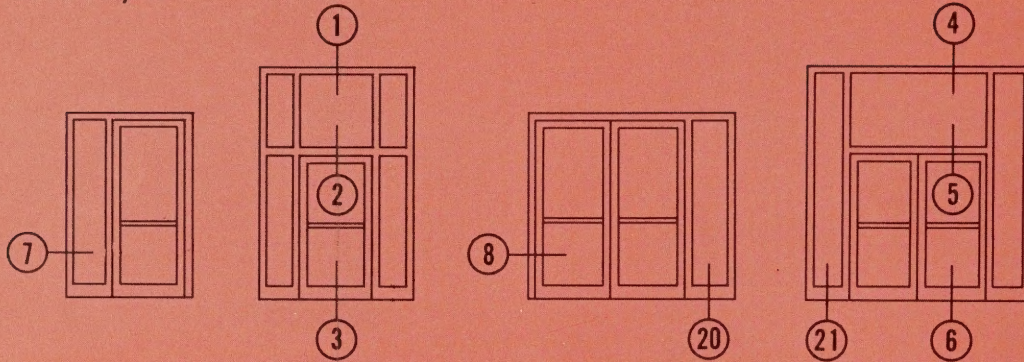
entrance details

HIMCO'S large variety of framing and split tube sections provides a wide selection for the many requirements of today's modern door design.

AVAILABLE: • Wide Stile Doors with welded and tie-rod construction
• Panic Devices • Automatic Door Operators

SCALE: quarter full size

custom styles



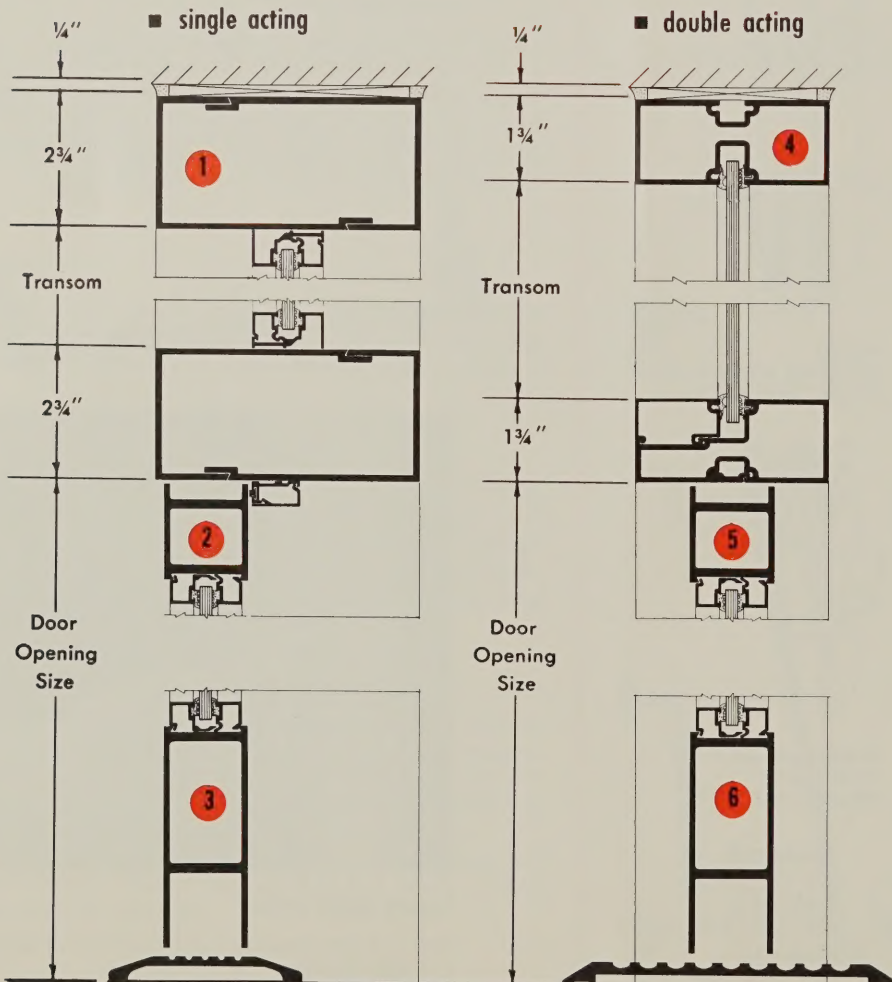
standard styles



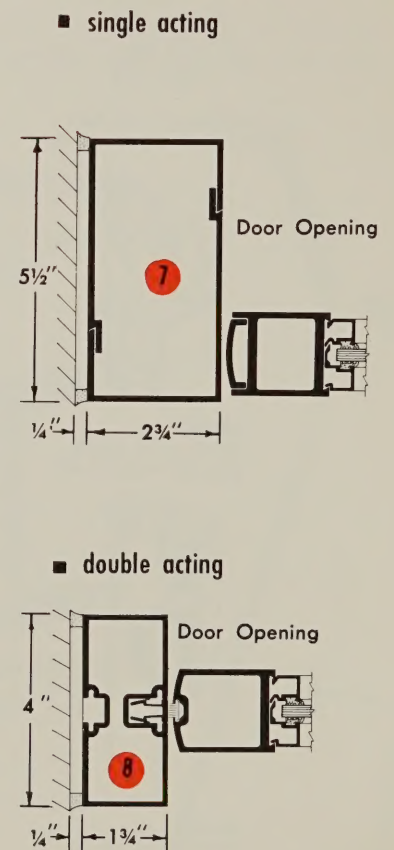
NF

■ custom sections

VERTICAL SECTIONS



HORIZONTAL SECTIONS



sizes

standard stock units	door opening	recommended masonry opening
NF single door leaf and frame	2'6" x 7'0" 3'0" x 7'0" 3'6" x 7'0"	2'10" x 7'2" 3' 4" x 7'2" 3'10" x 7'2"
NFT single door leaf and frame with transom	2'6" x 7'0" 3'0" x 7'0" 3'6" x 7'0"	2'10" x 10'6 1/4" 3' 4" x 10'6 1/4" 3'10" x 10'6 1/4"
NDF pair door leaves and frame	5'0" x 7'0" 6'0" x 7'0" 7'0" x 7'0"	5'4" x 7'2" 6'4" x 7'2" 7'4" x 7'2"
NDFT pair door leaves and frame with transom	5'0" x 7'0" 6'0" x 7'0" 7'0" x 7'0"	5'4" x 10'6 1/4" 6'4" x 10'6 1/4" 7'4" x 10'6 1/4"

This Schedule is applicable to Entrance Types B, P and C

TYPE "B"
With BUTT HINGES
for Overhead Closer

TYPE "P"
With OFFSET PIVOT
for Single Acting
Floor Check

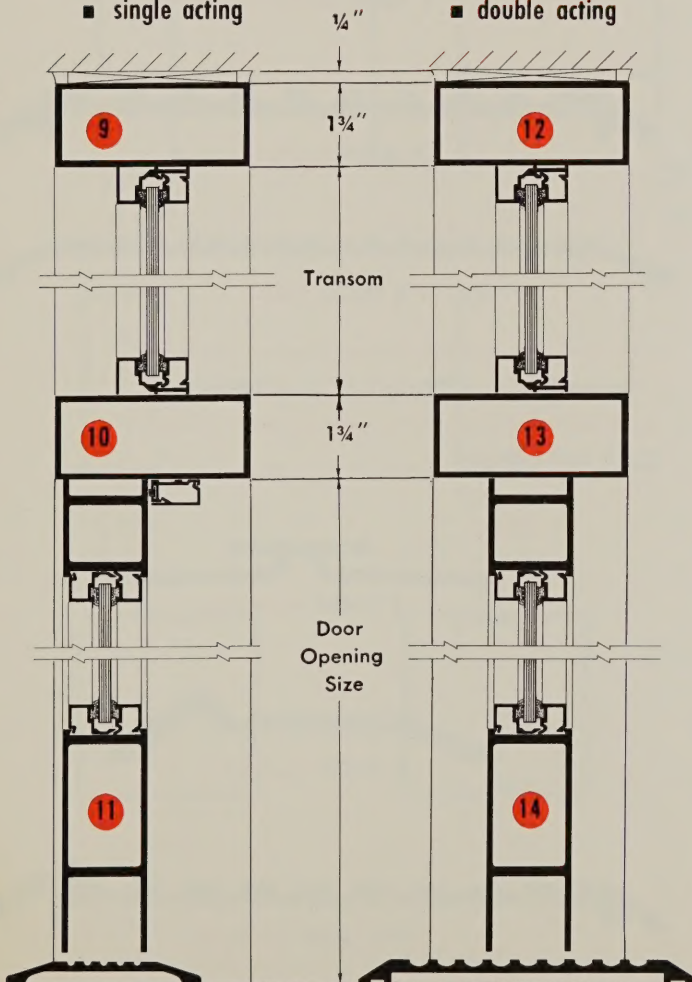
TYPE "C"
With CENTER PIVOT
for Double Acting
Floor Check

standard sections

VERTICAL SECTIONS

■ single acting

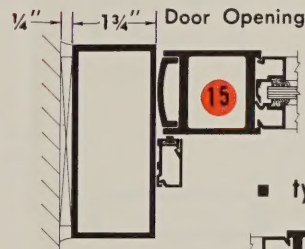
■ double acting



HORIZONTAL SECTIONS

■ single acting

■ single acting

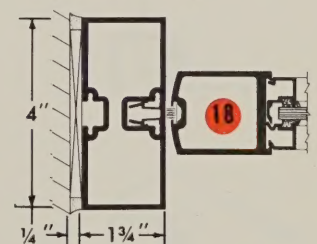
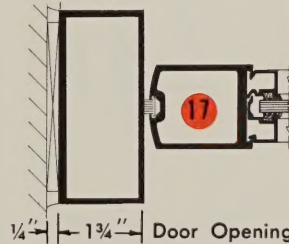


■ typical meeting rails



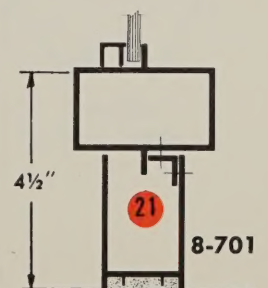
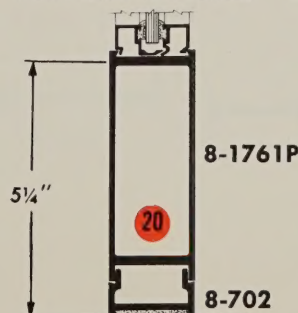
■ double acting

■ double acting



VERTICAL SECTIONS

■ sidelight bases



entrance details

glass beads and stops

SCALE: half full size



8-687 & 8-688



8-687 & 8-686



8-557 & 8-558



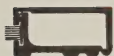
8-550



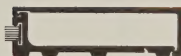
8-587 & 8-588



8-531 & 8-532



8-689



8-685



8-546



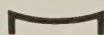
8-547



8-548



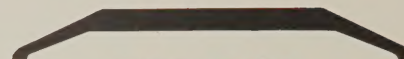
8-510



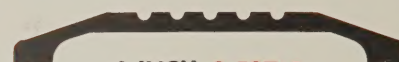
8-534

thresholds

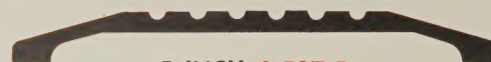
SCALE: half full size



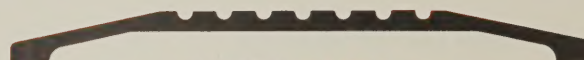
4 INCH 8-680F



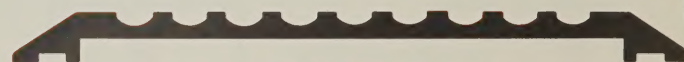
4 INCH 8-527-4



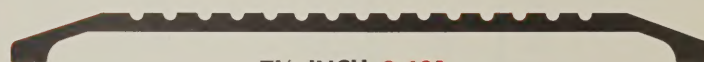
5 INCH 8-527-5



6 INCH 8-527-6



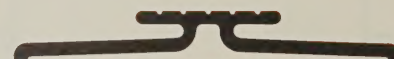
7 INCH 8-527-7



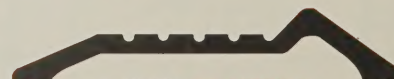
7 1/4 INCH 8-681

weather stripped saddles

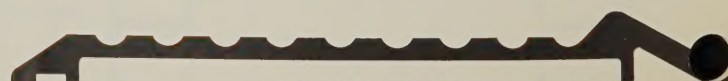
SCALE: half full size



4 INCH 8-682W.S.



4 INCH 8-683W.S.



7 1/2 INCH 8-684W.S.

tubular frames

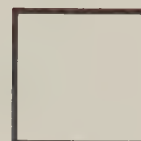
SCALE: quarter full size

3" system

 1 3/4" x 3"
8-626

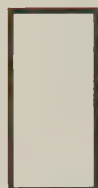
 1 3/4" x 3"
8-654

 1 3/4" x 3"
8-641

 2 1/2" x 3"
8-643

 3" x 3"
8-629

 2" x 3"
8-621

4" system

 1 3/4" x 4"
8-724
8-624

 2" x 4"
8-655

 1 3/4" x 4"
8-740
8-640

 1 3/4" x 4"
8-742
8-642

 1 3/4" x 4"
8-736
8-636

 1 3/4" x 4"
8-735
8-635

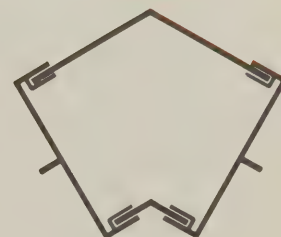
 1 3/4" x 4"
8-653

 1 3/4" x 4"
8-570

 1 3/4" x 4"
8-637

 4" x 4"
8-644

 4" x 4"
8-567

 variable
8-652

 variable
corner angle
8-658

▲ 3/32" thick—all others 1/8" thick

Parts numbers in BLACK are 3/32" thick

Parts numbers in RED are 1/8" thick

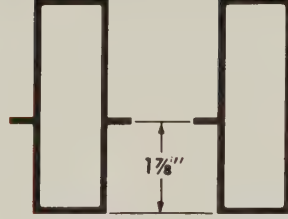
4½" system



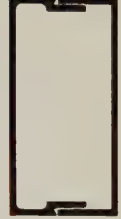
1¾" x 4½"
8-645



1½" x 4½"
8-646



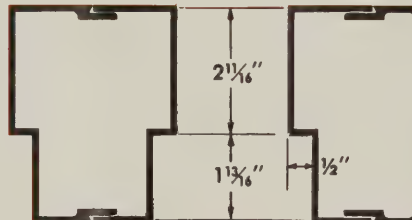
1½" x 4½" 1½" x 4½"
8-648 8-647



2¼" x 4½"
8-560



4½" x 4½"
8-556

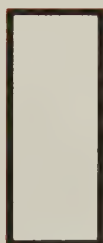


3½" x 4½" 2¾" x 4½"
8-562 8-561

5" system



1¾" x 5"
8-625

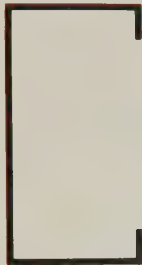


2" x 5"
8-623



5" x 5"
8-568

5½" system x 2¾"



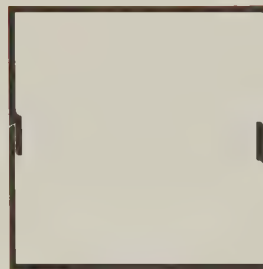
2¾" x 5½"

8-638



2¾" x 5½"

8-910



5½" x 5½"

8-569



2½" x 5½"

8-563



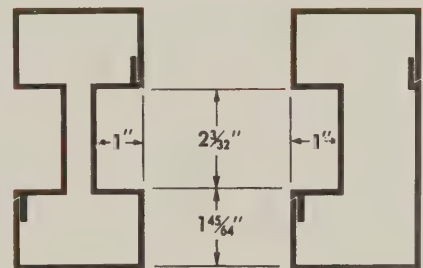
2½" x 5½"

8-564



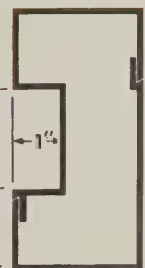
2½" x 5½"

8-565



2¾" x 5½"

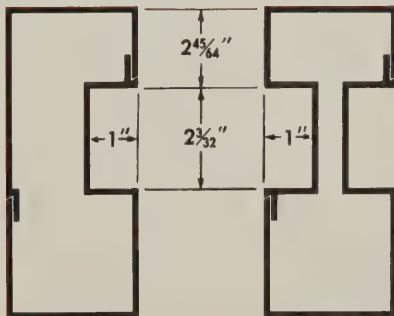
8-577



2¾" x 5½"

8-578

6½" system



2¾" x 6½"

8-575



2¾" x 6½"

8-574



2¾" x 6½"

8-911

7½" system

quarter full size



2 ¾" x 7 ½"
8-572

2 ¾" x 7 ½"
8-571



2 ¾" x 7 ½"
8-912



2 ¾" x 7 ½"
8-913

miscellaneous tubes and shapes

quarter full size



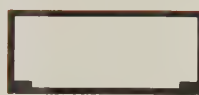
2" x 4 ¼"
8-622



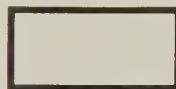
2" x 6"
8-650



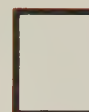
2 ¼" x 6"
8-649



1 ¾" x 4"
8-703



1 ¾" x 3 ½"
8-651



1 ¾" x 2 ¼"
8-627



2" x 2"
8-620



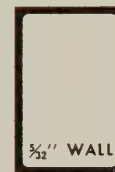
2 ¼" x 2 ¼"
3/32" WALL
8-630



1" x 1"
8-615



1" x 1 ½"
8-616



2 ¼" x 3 ½"
3/32" WALL
8-631



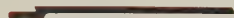
1 ¾" x 1 ¾"
1/8" WALL
8-634



1 ¾" x 3"
1/8" WALL
8-633



1 ¾" x 5"
1/8" WALL
8-632



8-549



2 ¾" x 8 ½"
8-914



1" x 2"
8-617



1 ½" x 1 ½"
8-618



1 ¼" x 1 ¼"
8-619



1 ¾" x 1 ¾"
8-628



8-537

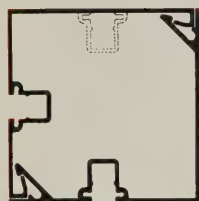


2 ¾" x 9 ½"
8-915

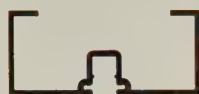
muntin and mullion frames

4" system

quarter full size



8-1409



8-1405



8-1401



8-1400



8-1402



8-1404



8-1403

half full size



8-1408



8-1407



8-1406



11-5-101



11-5-102



8-1456



8-1457

4½" system

quarter full size



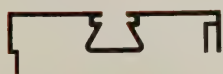
8-1459



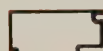
8-1451



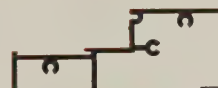
8-1450



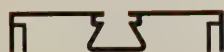
8-1458



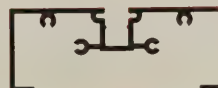
8-1452



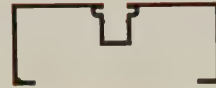
8-1453



8-1454



8-1455



8-1460

store fronts

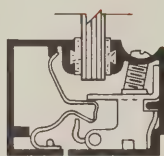


Himco Sashes will harmonize with any type of building design. They are available in alumilited aluminum, Kal-color and Duranodic finishes.

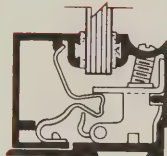
Our original patented neoprene settings are designed for maximum resiliency, as well as special finishes.

sash

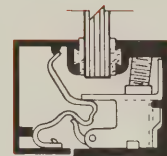
half full size



1-460



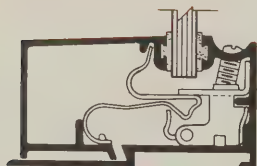
1-461



1-477



1-406



1-405



1-580



1-586



1-554



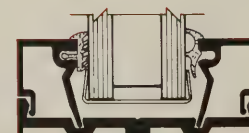
8-678



8-677



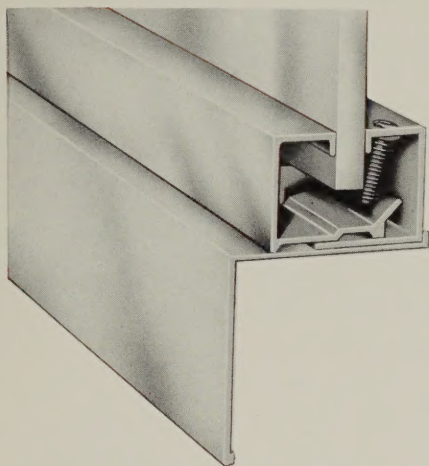
8-676



8-675

coverings

■ extruded



quarter full size



2-582



2-585



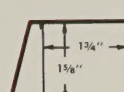
2-584



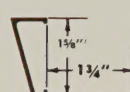
6-74-A



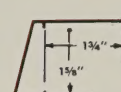
2-583



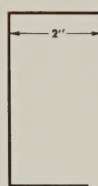
2-469



2-484



2-456



2-459



2-468



2-458

Additional design flexibility can be achieved with the alumilited aluminum extruded coverings.

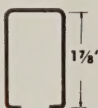
Special finishes in Alcoa Duranodic, Kaiser Kalcolor, Porcelain or baked enamel are available on Extruded Aluminum mouldings.

division bars

quarter full size

■ rolled

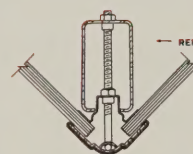
Himco division and corner bars are designed for vertical and horizontal applications. Available in Alumilited Aluminum.



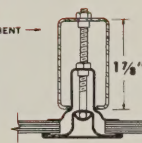
3-51



3-50



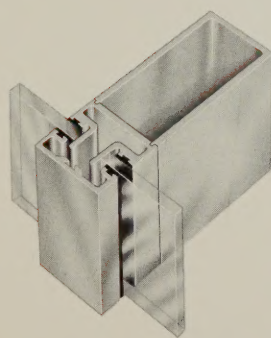
3-41



3-45

■ extruded

quarter full size



3-393



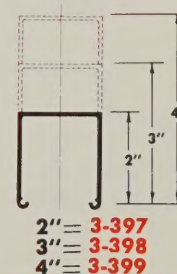
3-391



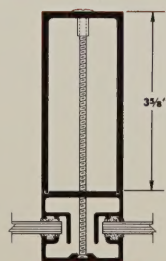
3-392



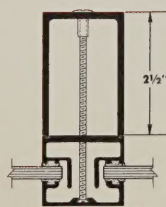
3-390



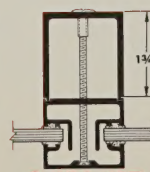
2" = 3-397
3" = 3-398
4" = 3-399



3-496-499



3-496-498



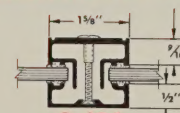
3-496-497



3-535



3-536



3-496

The positive dry glazing or neoprene seal principle, as originally patented by Himco, is available in alumilited aluminum, Kalcolor and Duranodic finishes.

FACITE facings

commercial installations

Himco FACITE is engineered to meet modern construction requirements. It has a unique design and attractive appearance. FACITE is made of heavy gauge (.051) aluminum and comes in porcelain enamel and aluminited finishes. Facite is used in multiples of sizes shown here and is connected together by our waterproof slip joint which reduces job site labor costs.

application

Himco Facite is used on facades, soffits, pilaster facing, sign backing, bulkheads, partitions, and numerous other surfaces which require decorative facing.

properties

Porcelain enamel on aluminum will not rust, is impervious to salt water attack, resists corrosion, does not stain or streak, is color fast, has excellent resistance to abrasion, thermal

shock, impact and flexing. Porcelain enamel does not spall progressively when damaged.

fabrication

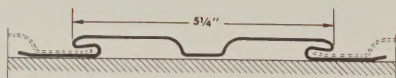
Porcelain on aluminum can be sheared, sawed, drilled or punched with no immediate or subsequent damage to the surface. Standard porcelainized Facite can be cut to size on the job as the need arises.

special services

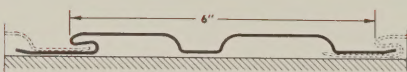
Unlimited custom colors of porcelainized Facite are available. Standard or special extrusions, as well as standard brake mouldings and formed shapes can be porcelainized to specifications.

The technical staff of the Himmel Brothers Company is available for consultation at all times and will work with the architect and designer in the development of applications for the use of porcelainized Facite.

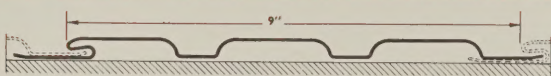
quarter full size



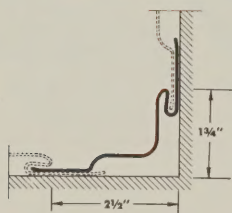
5-821 5 1/4" facing—one 21 ft. length covers approx. 9-1/6" sq. ft.



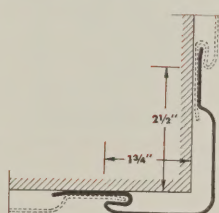
5-820 6" facing—one 21 ft. length covers approx. 10 1/2" sq. ft.



5-830 9" facing—one 21 ft. length covers approx. 15 3/4" sq. ft.

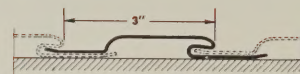


5-840 inside corner

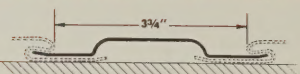


5-839 outside corner

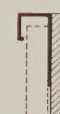
5-841 spacer



5-837 spacer



5-842 edge trim top



5-833



5-844



5-838 edging trim



5-831



5-832 recessed corner



5-843 edge trim bottom



5-834



5-780

colors

1. Castle Gray
2. Polar White

3. Biscay Blue
4. Cobalt Black

5. Fiesta Red
6. Klondike Yellow

7. Copper Brown
8. Jamaican Green

9. Marlin Blue

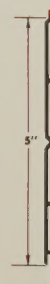
small store installations

Himco Facia mouldings are available in finishes of Alumilited Aluminum, Alcoa Duranodic, Kaiser Kalcolor, Porcelain or baked enamels.

quarter full size



4-540



4-507



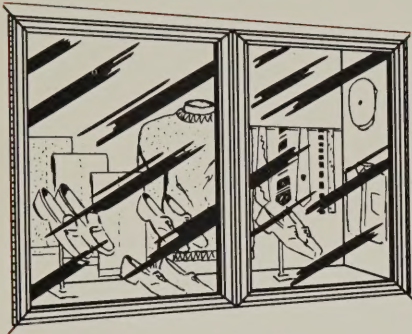
4-543



4-542

specialties

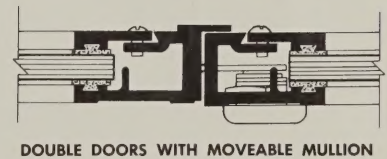
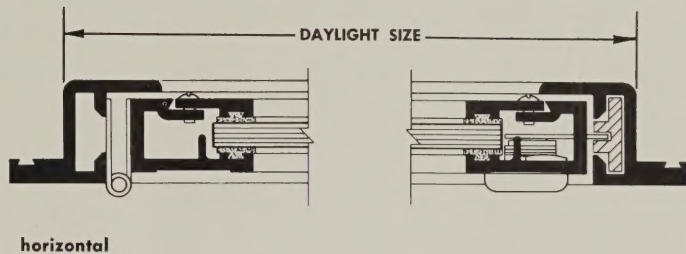
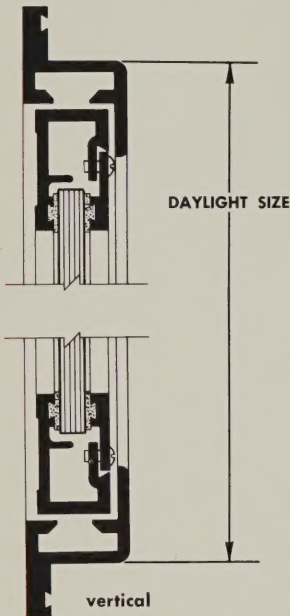
■ **show cases**



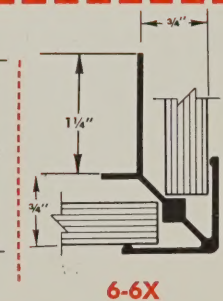
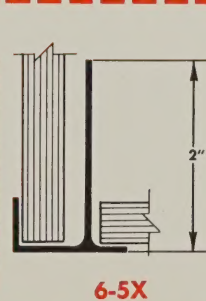
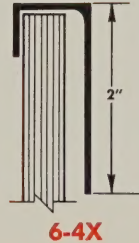
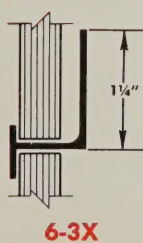
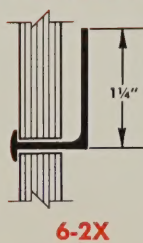
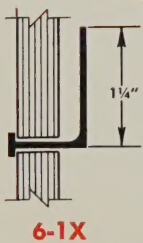
Himco show cases are available in finishes of Alumilited Aluminum, Alcoa Duranodic and Kaiser Kalcolor.

NOTE: Specify "daylight sizes" when ordering type of show case door.

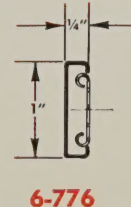
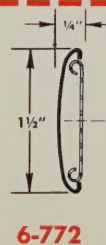
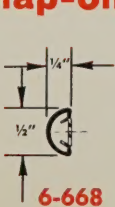
half full size



■ **mouldings for structural glass** half full size



■ **snap-on moulding** half full size

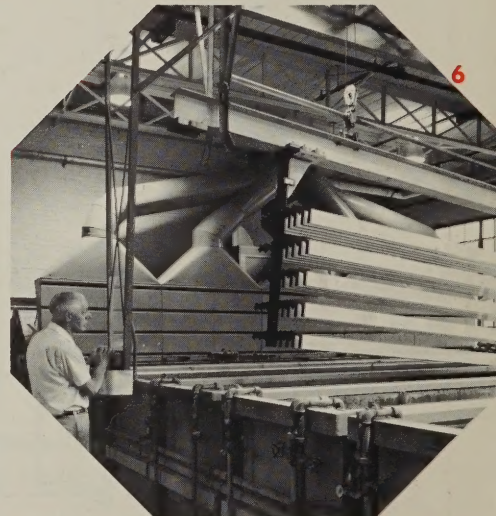
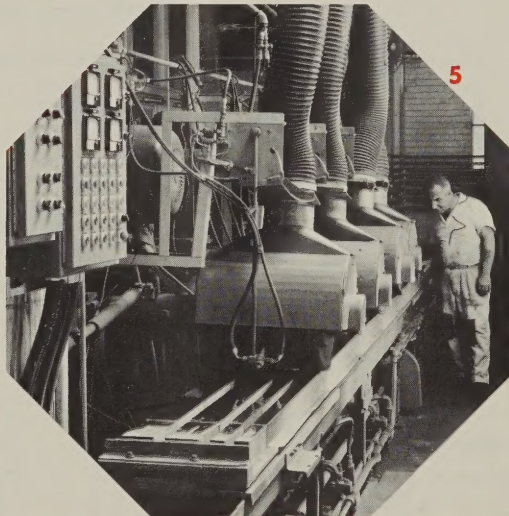
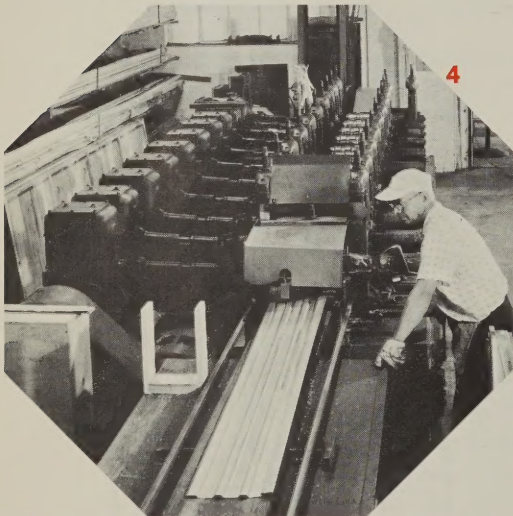
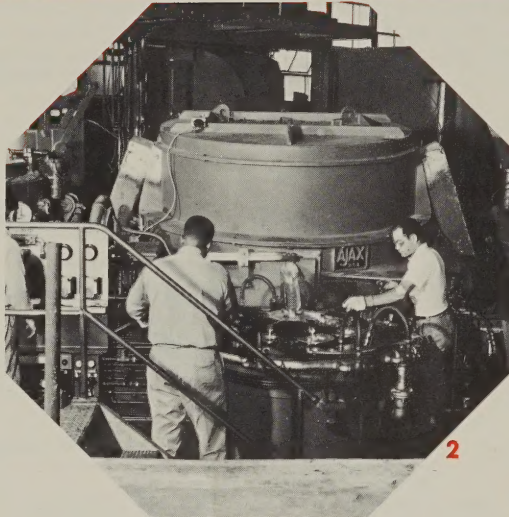


facilities:

1 Raw Material - Virgin Aluminum Pig
4 Roll Forming

2 Billet Casting
5 Polishing

3 Extruding
6 Anodizing



THE HIMMEL BROTHERS COMPANY

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AREA CODE 203-248-5545